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| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/560,250             |               |
|   | Filing Date          | December 12, 2005      |               |
|   | First Named Inventor | Glen NEMEROW           |               |
|   | Art Unit             | 1645                   |               |
|   | Examiner Name        | To Be Assigned         |               |
| Total Number of Pages in This Submission  | 14 pages             | Attorney Docket Number | 5410-007 NATL |

| ENCLOSURES (Check all that apply)   |  |  |
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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br><br>1. Sixty-five (65) References<br>2. Return-receipt postcard |
| <b>Remarks</b><br>The Commissioner is authorized to charge any deficiencies in fees and credit any overpayment of fees to Deposit Account No. 07-1896. A duplicate page is enclosed.<br><br>Customer No. 29585  |  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |  |          |        |
|--|--|----------|--------|
| Firm Name                                  | DLA Piper Rudnick Gray Cary US LLP, 153 Townsend Street, Suite 800, San Francisco, CA 94107-1957 |          |        |
| Signature                                  |  |          |        |
| Printed name                               | Linda R. Judge, Telephone: 415-836-2586, Facsimile: 415-836-2501                                 |          |        |
| Date                                       | April 21, 2006   | Reg. No. | 42,702 |

| CERTIFICATE OF TRANSMISSION/MAILING   |                     |      |                |
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| Signature   |                     |      |                |
| Typed or printed name   | Kathleen A. Farrell | Date | April 21, 2006 |

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The PTO did not receive the following listed item(s) FOR 5

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of

2

**Complete if Known**

|                        |                   |
|------------------------|-------------------|
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| Art Unit               | 1645              |
| Examiner Name          | To Be Assigned    |
| Attorney Docket Number | 5410-007 NATL     |

Mail Stop Amendment

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying form, SB/08A and/or SB/08b for consideration by the Examiner in connection with the examination of the above-identified patent application.

This Information Disclosure Statement:

- (a) accompanies a new patent application submitted herewith.
- (b) ☒ **is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; OR**
- (c) is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below **OR**
- (d) is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee (\$130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below.  
This document is to be considered as a petition requesting consideration of the information disclosure statement.

As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- (e) Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- (f) No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Each item of information listed in the attached FORM PTO/SB/08a and/or SB/08b may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56, 1.97 and 1.98. The Examiner is requested to make these items of official record in this application.

Pursuant to notice entitled "Information Disclosure Statements May Be Filed Without Copies Of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003," *Off. Gaz. Pat. Office* 55 (August 5, 2003), no copies of U.S. Patents and U.S. Published Patent Applications are being supplied with this Information Disclosure Statement.

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|   |      | Art Unit                 | 1645              |
|   |      | Examiner Name            | To Be Assigned    |
| Sheet 2   | of 2 | Attorney Docket Number   | 5410-007 NATL     |

This Information Disclosure Statement under 37 CFR 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this submission as a conditional petition for acceptance of the information disclosure statement.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896.

Respectfully submitted,


Date: April 21, 2006

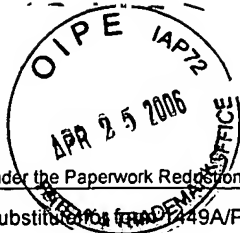
DLA Piper Rudnick Gray Cary US LLP



By: Linda R. Judge  
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| Sheet   | 1 | of                       | 10                | Attorney Docket Number | 5410-007 NATL |

| U. S. PATENT DOCUMENTS |                       |   |                                |  |   |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        | AA                    | US-5,543,328  | 08-06-1996                     | McClelland et al.                                  |   |
|                        | AB                    | US-5,731,190  | 03-24-1998                     | Wickham et al.                                     |   |
|                        | AC                    | US-5,756,086  | 05-26-1998                     | McClelland et al.                                  |   |
|                        | AD                    | US-5,801,029  | 09-01-1998                     | Mccormick et al.                                   |   |
|                        | AE                    | US-5,919,676  | 07-06-1999                     | Graham et al.                                      |   |
|                        | AF                    | US-5,922,576  | 07-13-1999                     | He et al.  |   |
|                        | AG                    | US-5,965,431  | 10-12-1999                     | Markl et al.                                       |   |
|                        | AH                    | US-5,965,541  | 10-12-1999                     | Wickham et al.                                     |   |
|                        | AI                    | US-5,994,106  | 11-30-1999                     | Kovesdi et al.                                     |   |
|                        | AJ                    | US-5,998,205  | 12/1999                        | Hallenbeck et al.                                  |   |
|                        | AK                    | US-6,057,155  | 05-02-2000                     | Wickham et al.                                     |   |
|                        | AL                    | US-6,080,569  | 06-27-2000                     | Graham et al.                                      |   |
|                        | AM                    | US-6,638,762  | 10-28-2003                     | Chang et al.                                       |   |
|                        | AN                    | US-6,731,190  | 05-04-2004                     | Yamashita et al.                                   |   |
|                        | AO                    | US-6,156,497  | 12-05-2000                     | Kaleko   |   |
|                        | AP                    | US-5,935,935  | 08-10-1999                     | Connelly et al.                                    |   |
|                        | AQ                    | US20020137213   | 09-26-2002                     | Hallenbeck et al.                                  |   |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Number   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                    | AR                    | WO2000US42208   | 05-31-2001                     | Milnes et al.                                      |   |                |
|                    | AS                    | WO0130843   | 05-03-2001                     | Barbas et al.                                      |   |                |
|                    | AT                    | WO0183729   | 08-11-2001                     | Nemerow et al.                                     |   |                |
|                    | AU                    | WO0192299   | 0612--2001                     | Jakubczak et al.                                   |   |                |
|                    | AV                    | WO02067861  | 09-06-2002                     | Ennist et al.                                      |   |                |
|                    | AW                    | WO03062400  | 07-31-2003                     | Kaleko et al.                                      |   |                |
|                    | AX                    | WO0040558   | 07-13-2000                     | Randad et al.                                      |   |                |
|                    | AY                    | WO9500655   | 01-05-1995                     | Graham et al.                                      |   |                |

|                    |  |                 |  |
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| Attorney Docket Number   | 5410-007 NATL  |    |    |                          |                   |
| Sheet  | 4              | of | 10 |                          |                   |

| NON PATENT LITERATURE DOCUMENTS |                       |   |  |
|---------------------------------|-----------------------|---|--|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                                 |  |
|                                 | BL                    | ADRIAN et al., "Cryo-electron microscopy of viruses" <i>Nature</i> , Vol. 308, pp. 32-36, March 1, 1984, Nature Publishing Group, (1984).   |  |
|                                 | BM                    | ARNBERG et al., "Fiber genes of adenoviruses with tropism for the eye and the genital tract" <i>Virology</i> , Vol. 227, pp. 239-244 (1997)   |  |
|                                 | BN                    | ARNBERG et al., "Adenovirus Type 37 Uses Sialic Acid as a Cellular Receptor" <i>Journal of Virology</i> , Vol. 72, No. 1, pp. 42-48, American Society of Microbiology (2000).   |  |
|                                 | BO                    | ATSCHUL et al., "Basic Local Alignment Search Tool", <i>Journal Molecular Biology</i> , Vol. 215:pp. 403-410 Academic Press Limited, (1990).  |  |
|                                 | BP                    | BAI et al., "Mutations That Alter an Arg-Gly-Asp (RGD) Sequence in the Adenovirus Type 2 Penton Base Protein Abolish Its Cell-Rounding Activity and Delay Virus Reproduction in Flat Cells", <i>Journal of Virology</i> Vol. 67, No. 9, pp. 5198-5205, American Society of Microbiology (1993). |  |
|                                 | BQ                    | BELOUSOVA et al., "Modulation of Adenovirus Vector Tropism via Incorporation of Polypeptide Ligands into the Fiber Protein", <i>Journal of Virology</i> , Vol. 76, No. 17, pp. 8621-8631. American Society of Microbiology (2002).  |  |
|                                 | BR                    | BERGELSON et al., "Isolation of a Common Receptor for Coxsackie B Viruses and Adenoviruses 2 and 5", <i>Science</i> , Vol. 275:pp. 1320-1323 (1997)   |  |
|                                 | BS                    | BETT et al., "An efficient and flexible system for construction of adenovirus vectors with insertions or deletions in early regions 1 and 3" <i>Proc. Natl. Acad. Sci USA</i> 91:8802-8806 (1994)   |  |
|                                 | BT                    | BEWLEY et al., "Structural Analysis of the Mechanism of Adenovirus Binding to Its Human Cellular Receptor, CAR", <i>Science</i> Vol. 286, pp. 1579-1583, (1999).  |  |
|                                 | BU                    | CARIILLO et al., "The Multiple Sequence Alignment Problem in Biology", <i>SIAM J. Applied Math</i> , Vol. 48, No. 5, pp. 1073-1082 (1988).  |  |

|                    |  |                 |  |
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| Examiner Signature |  | Date Considered |  |
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|                                 | BV                    | CHAPPELL et al, "Crystal structure of reovirus attachment protein 61 reveals evolutionary relationship to adenovirus fiber" European Molecular Biology Organization, Vol. 21, pp. 1-11, (2002).   |  |
|                                 | BW                    | CHIU et al, "Structural Analysis of a Fiber-Pseudotyped Adenovirus with Ocular Tropism Suggests Differential Modes of Cell Receptor Interactions" <i>Journal of Virology</i> , Vol. 75, No. 11, pp. 5375-5380, American Society for Microbiology (2001).        |  |
|                                 | BX                    | CHIU et al, "Structure of Adenovirus Complexed with Its Internalization Receptor, $\alpha_5\beta_5$ Integrin", <i>Journal of Virology</i> , Vol. 75, pp. 6759-6768, American Society for Microbiology (1999).   |  |
|                                 | BY                    | CHOI et al, "A Generic Intron Increases Gene Expression in Transgenic Mice", <i>Molecular and Cellular Biology</i> , Vol. 11, pp. 3070-3074, American Society for Microbiology (1991).  |  |
|                                 | BZ                    | CHROBOCZEK et al, "Adenovirus Fiber" <i>Current Topics in Microbiology and Immunology</i> , Vol. 199, pp. 163-200 (1995).   |  |
|                                 | CA                    | COHEN et al, "The coxsackievirus and adenovirus receptor is a transmembrane component of the tight junction" <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 98, pp. 15191-15196, (2001).  |  |
|                                 | CB                    | DEVEREUX et al. "A comprehensive set of sequence analysis programs for the VAX" <i>Nucleic Acids Research</i> , Vol. 12, No. 1, pp. 387-395, IRL Press Limited (1984).  |  |
|                                 | CC                    | DUBRIDGE et al, "Analysis of Mutation in Human Cells by Using an Epstein-Barr Virus Shuttle System" <i>Molecular and Cellular Biology</i> , Vol. 7, pp. 379-387, American Society of Microbiology (1987).   |  |
|                                 | CD                    | EINFELD et al, "Reducing the Native Tropism of Adenovirus Vectors Requires Removal of both CAR and Integrin Interactions, <i>Journal of Virology</i> , Vol. 75, pp. 11284-11291, American Society for Microbiology (2001).                                      |  |
|                                 | CE                    | GORZIGLIA et al, "Elimination of both E1 and E2a from Adenovirus Vectors Further Improves Prospects for In Vivo Human Gene Therapy", <i>Journal of Virology</i> , Vol. 70, No. 6, pp. 4173-4178, American Society for Microbiology (1996).                      |  |

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|                                 | CF                    | GRAHAM et al. "Characteristics of a human cell line transformed by DNA from human adenovirus type 5" <i>Journal of General Virology</i> , Vol. 36, pp. 59-72 (1977)/  |  |
|                                 | CG                    | GREEN et al, "Evidence for a repeating cross- $\beta$ sheet structure in the adenovirus fibre", <i>The EMBO Journal</i> , Vol. 2, No. 8, pp. 1357-1365, IRL Press Limited (1983).   |  |
|                                 | CH                    | GRIBSKOV et al., "Sigma factors from <i>E. coli</i> , <i>B. subtilis</i> , phage SP01, and phage T4 are homologous proteins" <i>Nucleic Acids Research</i> , Vol. 14, No. 16, pp. 6745-6763, IRL Press Limited (1986).  |  |
|                                 | CI                    | HAECKER et al, "In Vivo Expression of Full-Length Human Dystrophin from Adenoviral Vectors Deleted of All Viral Genes", <i>Human Gene Therapy</i> , Vol. 7, pp. 1907-1914, Mary Ann Liebert, Inc. (1996)  |  |
|                                 | CJ                    | HAVENGA et al, "Exploiting the Natural Diversity in Adenovirus Tropism for Therapy and Prevention of Disease", <i>Journal of Virology</i> , Vol. 76, No. 9, pp. 4612-4620, American Society for Microbiology (2002).  |  |
|                                 | CK                    | HAWIGER et al, "Dendritic Cells Induce Peripheral T Cell Unresponsiveness Under Steady State Conditions In Vivo", <i>J. Exp. Med.</i> , Vol. 194, No. 6, pp. 769-779, The Rockefeller University Press (2001).  |  |
|                                 | CL                    | HE et al. "Interaction of coxsackievirus B3 with the full length coxsackivirus-adenovirus receptor", <i>Nature Structural Biology</i> , Vol. 8, No. 10, pp. 874-878, Nature Publishing Group (2001).  |  |
|                                 | CM                    | HE et al, "A simplified system for generating recombinant adenoviruses", <i>Proc. Natl. Acad. Sci.</i> , Vol. 95, pp. 2509-2514, The National Academy of Sciences (1998).   |  |
|                                 | CN                    | HORTON et al, "Adenovirus E3 14.7K Protein Functions in the Absence of Other Adenovirus Proteins To Protect Transfected Cells from Tumor Necrosis Factor Cytolysis" <i>Journal of Virology</i> , Vol. 65, No. 5, pp. 2629-2639, American Society for Microbiology (1991). |  |
|                                 | CO                    | Huang et al, "A Single Amino Acid in the Adenovirus Type 37 Fiber Confers Binding to Human Conjunctival Cells" <i>Journal of Virology</i> , Vol. 73, No. 4, pp. 2798-2802, American Society for Microbiology (1999).  |  |

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|   |   |    |    | Art Unit                 | 1645              |
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|                                 | CP                    | KLEIN et al., "Accurate estimation of transduction efficiency necessitates a multiplex real-time PCR", <i>Gene Therapy</i> , Vol. 7, pp. 458-463, Macmillan Publishers (2000).   |  |
|                                 | CQ                    | LU, "TOP: a new method for protein structure comparisons and similarity searches", <i>Journal of Applied Crystallography</i> , Vol. 33, pp. 176-183, International Union of Crystallography (2000).  |  |
|                                 | CR                    | MARTIN-PADURA et al, "Junctional Adhesion Molecule, a Novel Member of the Immunoglobulin Superfamily That Distributes at Intercellular Junctions and Modulates Monocyte Junctions", <i>The Journal of Cell Biology</i> , Vol. 142, No. 1, pp. 117-127 The Rockefeller University Press (1998). |  |
|                                 | CS                    | MORSY et al., "Expanded-capacity adenoviral vectors – the helper-dependent vectors", <i>Molecular Medicine Today</i> , pp. 18-24, Elsevier Science, (Jan. 1999).   |  |
|                                 | CT                    | NEEDLEMAN et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", <i>Journal of Molecular Biology</i> , Vol 48, pp.443-453 (1970)   |  |
|                                 | CU                    | NEMEROW, "Cell Receptors Involved in Adenovirus Entry", <i>Virology</i> , Vol. 274, pp. 1-4, Academic Press (2000).  |  |
|                                 | CV                    | PALMITER et al., "Germ-Line Transformation of Mice" <i>Annual Review Genetics</i> , Vol. 20, pp. 465-499 (1986).   |  |
|                                 | CW                    | PEARSON et al., "Improved tools for biological sequence comparison, <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, pp. 2444-2448 (1988).   |  |
|                                 | CX                    | PETITCLERC et al, "The effect of various introns and transcription terminators on the efficiency of expression vectors in various cultured cell lines and in the mammary gland of transgenic mice", <i>Journal of Biotechnology</i> , Vol. 40, pp.169-178, Elsevier Science B.V. (1995).       |  |
|                                 | CY                    | PHILIPSON et al, "Virus-Receptor Interaction in an Adenovirus System", <i>Journal of Virology</i> , Vol. 2, pp. 1064-1075, American Society for Microbiology (1968).   |  |

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|                                 | CZ                    | REA et al, "Highly Efficient Transduction of Human Monocyte-Derived Dendritic Cells with Subgroup B Fiber-Modified Adenovirus Vectors Enhances Transgene-Encoded Antigen Presentation to Cytotoxic T Cells", <i>Journal of Immunology</i> , Vol. 166, pp. 5236-5244, The American Association of Immunologists (2001). |  |
|                                 | DA                    | ROELVINK et al, "Comparative Analysis of Adenovirus Fiber-Cell Interaction: Adenovirus Type 2 (Ad2) and Ad9 Utilize the Same Cellular Fiber Receptor but Use Different Binding Strategies for Attachment", <i>Journal of Virology</i> , Vol. 70, No. 11, pp. 7614-7621, American Society for Microbiology (1996).      |  |
|                                 | DB                    | ROELVINK et al, "The Coxsackievirus-Adenovirus Receptor Protein Can Function as a Cellular Attachment Protein for Adenovirus Serotypes from Subgroups A, C, D, E, and F", <i>Journal of Virology</i> , Vol. 72, No. 10, pp. 7909-7915, American Society for Microbiology (1998).                                       |  |
|                                 | DC                    | ROELVINK et al., "Identification of a Conserved Receptor-Binding Site on the Fiber Proteins of CAR-Recognizing Adenoviridae", <i>Science</i> , Vol. 286, pp. 1568-1571 (1999).   |  |
|                                 | DD                    | RUIGROK et al., "Structure of Adenovirus Fibre", <i>Journal of Molecular Biology</i> , Vol. 215, pp. 589-596, Academic Press Limited (1990).   |  |
|                                 | DE                    | SANDIG et al., "Optimization of the helper-dependent adenovirus system for production and potency <i>in vivo</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 97, No. 3, pp. 1002-7, PNAS (2000).   |  |
|                                 | DF                    | SCANLAN et al., "Challenges to the development of antigen-specific breast cancer vaccines", <i>Breast Cancer Research</i> , Vol. 3, pp. 95-98 (2001).  |  |
|                                 | DG                    | SHAH et al., "QVIEW: Software for Rapid Selection of Particles from Digital Electron Micrographs", <i>Journal of Structural Biology</i> , Vol. 123, pp. 17-21, Article No. SB984011, Academic Press (1998).  |  |
|                                 | DH                    | SHAYAKHMETOV et al. "Dependence of Adenovirus Infectivity on Length of the Fiber Shaft Domain", <i>Journal of Virology</i> , Vol. 74, No. 22, pp. 10274-10286, (2000).   |  |
|                                 | DI                    | SHILO et al., "DNA sequences homologous to vertebrate oncogenes are conserved in <i>Drosophila melanogaster</i> " <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 78, No. 11, pp. 6789-6792, Biochemistry (1981).   |  |

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|                                 | DJ                    | SMITH et al., "Comparison of Biosequences", <i>Advances in Applied Mathematics</i> , Vol. 2, pp. 482-489, Academic Press, Inc. (1981).  |  |
|                                 | DK                    | STEINMAN et al., "Tolerogenic Dendritic Cells" <i>Annual Rev. Immunol.</i> , Vol. 21, pp. 685-711, Annual Reviews (2003).   |  |
|                                 | DL                    | STEVENSON et al., "Human Adenovirus Serotypes 3 and 5 Bind to Two Different Cellular Receptors via the Fiber Head Domain" <i>Journal of Virology</i> , Vol. 69, No. 5, pp. 2850-2857, American Society for Microbiology (1995).                                 |  |
|                                 | DM                    | STEWART et al., "Digitally Collected Cryo-Electron Micrographs for Single Particle Reconstruction", <i>Microscopy Research and Technique</i> , Vol. 49, pp. 224-232, Wiley-Liss, Inc. (2000).   |  |
|                                 | DN                    | STEWART et al. "Cryo-EM visualization of an exposed RGD epitope on adenovirus that escapes antibody neutralization, <i>EMBO Journal</i> , Vol. No. 6, 16, pp. 1189-1198, Oxford University Press (1997).  |  |
|                                 | DO                    | VAN HEEL et al., "A New Generation of the IMAGIC Image Processing System", <i>Journal of Structural Biology</i> , Vol. 116, Article No. 004, pp. 17-24, Academic Press, Inc. (1996).  |  |
|                                 | DP                    | VAN RAAIJ et al. "Dimeric Structure of the Coxsackievirus and Adenovirus Receptor D1 Domain at 1.7 A Resolution", <i>Structure</i> , Vol. 8, pp. 1147-1155, Elsevier Science Ltd. (2000).   |  |
|                                 | DQ                    | VAN RAAIJ et al., "A triple $\beta$ -spiral in the adenovirus fibre shaft reveals a new structural motif for a fibrous protein", <i>Nature</i> , Vol. 401, pp. 935-938, Macmillan Magazines Ltd (1999).   |  |
|                                 | DR                    | VON SEGGERN et al., "Complementation of a fibre mutant adenovirus by packaging" <i>Journal of General Virology</i> , Vol. 79, pp. 1461-1468, SGM (1998).  |  |
|                                 | DS                    | VON SEGGERN et al., "A Helper-Independent Adenovirus Vector with E1, E3, and Fiber Deleted: Structure and Infectivity of Fiberless Particles", <i>Journal of Virology</i> , Vol. 73, No. 2, pp. 1601-1608, American Society for Microbiology (1999).            |  |

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|                                 | DT                    | VON SEGGERN et al, "Adenovirus Vector Pseudotyping in Fiber-Expressing Cell Lines: Improved Transduction of Epstein-Barr Virus-Transformed B Cells" <i>Journal of Virology</i> , Vol. 74, No. 1, pp. 354-362, American Society for Microbiology (2000).         |
|                                 | DU                    | WICKAM et al., "Integrins $\alpha_3\beta_3$ and $\alpha_3\beta_5$ Promote Adenovirus Internalization but Not Virus Attachment", <i>Cell</i> , Vol. 73, pp. 309-319 Cell Press (1993).   |
|                                 | DV                    | WU et al., "A 50-kDa Membrane Protein Mediates Sialic Acid-Independent Binding and Infection of Conjunctival Cells by Adenovirus Type 37", <i>Virology</i> , Vol. 279, pp: 78-89, Academic Press (2001).  |
|                                 | DW                    | XIA et al., "Crystal structure of the receptor-binding domain of adenovirus type 5 fiber protein at 1.7 Å resolution", <i>Structure</i> , Vol. 2, pp. 1259-1270, Current Biology Ltd. (1994).   |
|                                 | DX                    | YU et al., "Cancer vaccines: progress reveals new complexities", <i>Journal of Clinical Investigation</i> , Vol. 110, No. 3, pp.289-94, (2002).   |
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